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(71) Applicant:

MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.

(72) Inventor:

SHICHIJYO TOSHIHIKO

TAGAMI ETSUJI

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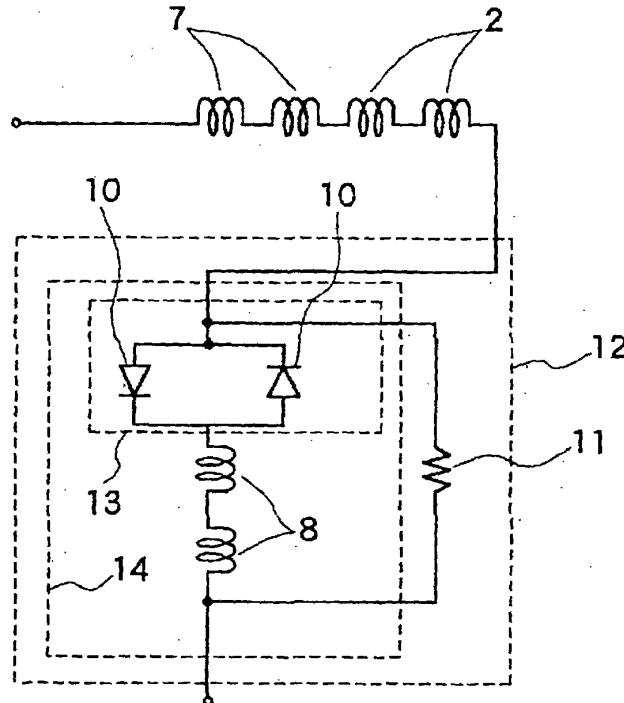
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(54) Title of Invention

COLOR PICTURE TUBE APPARATUS

Representative drawing

(57) Abstract:



PURPOSE: To optimally correct the vertical inner pincushion distortion while correcting the vertical pincushion distortion by setting the preliminary deflecting force in the deflection of electron beam to the vertical peripheral part of a screen face smaller than the preliminary deflecting force to the vertical middle part thereof.

CONSTITUTION: A connector (13) having a pair of diodes (10) with opposite polarities connected in parallel is directly connected to an inner pincushion correction coil (8) to constitute a connector (14). The connector (14) is connected in parallel to a fixed resistor (11) to constitute an inner pincushion distortion correcting circuit (12). The inner pincushion distortion correcting circuit (12) series connected to a vertical

deflection coil(2), and further series connected to a coma correction coil(7) . The inner pincushion distortion correction coil(8) increases the vertical pincushion distortion in the peripheral area at the time of peripheral deflection. When the magnetic fields generated by a horizontal deflection coil and the vertical deflection coil(2) are regulated to optimize the vertical pincushion distortion in the peripheral area, the vertical pincushion distortion in the middle area is also reduced.

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